AK3015 The Sustainable Scientist 2.0 credits

Intended learning outcomes

The course aims to give graduate students some of the conceptual and practical tools necessary for long term interaction between researchers in and the wider community (research ethics), business (innovation processes, patents, and product sales), and the research community (the design of research projects; project applications).

Course main content

The course includes lectures and exercises in three different modules in which the Department of Philosophy interacts with KTH Technology Innovation and KTH Research Office.

(1) Basic Research Ethics (Department of Philosophy). Key ethical issues and concepts (such as autonomy and informed consent). Research misconduct. The researcher responsible for research consequences. The relevance of the research norms of basic ethical theories. Ethical review and research ethics committees, the new law on research ethics review.

(2) Research Applications (KTH Research Office). Idea-phase (Financial information, preparing, planning). Application and contract-phase (Support with the application, formal application and contract process at the commitment of KTH. Contract management and negotiation in general). Project-phase (Project administration, project management, IP- and IPR issues in the research phase).

(3) Innovation processes, patents and product sales (KTH Innovation). Innovation plans (to go from research or business idea into a product or service on the market). IP and contracts (different ways of protecting intellectual property and common agreement in the innovation process and how they work in practice). To sell your idea (how to arouse interest in an idea / project / product through a salespitch and how to get others to invest resources in an idea / project / product).

Eligibility

The student needs to have studied at least on year at the third-cycle (research) level.

Literature

Fastställs senare.

Examination

Requirements for final grade

Written assignments and exercises.